ivision of Medicaid and Children's Health

23. REMARKS:

MICHIGAN DEPARTMENT OF COMMUNITY HEALTH

Medical Services Administration

MEMORANDUM

To: Nancy Bishop

Date: April 25, 2002

From: Robert Buryta

Re: State Plan Amendment #: TN 02-011

Attached are your copies of this State Plan amendment. Information specific to the plan amendment is as follows:

- 1. Effective date of plan change: April 1, 2002
- 2. CFR citation under which proposed change is to be made: 42 CFR 447.252(b)
- 3. Plan material submitted: Attachment 4.19-A, pp. 4-18; Appendix A.
- 4. Plan material superseded: Attachment 4.19-A, pp. 4-18; Appendix A.
- 5. Purpose of amendment: The following chages are being implemented: 1) DRG and Per Diem reimbursed hospitals are being rebased, 2) moving from a hospital specific wage adjustor to an MSA area wage adjustor, 3) updating the DRG Grouper from version 17.0 to 19.0, and 4) applying an adjustment factor to hospital payments as required by Executive Order No. 2001-9.
- Summary of change from current plan: Make the necessary changes to implement the above.
- Federal Budget Impact:
 - a. FFY 2002 (\$7,473,730)
- b. FY 2003 \$ To be Determined
- FOR INSTITUTIONS ONLY: Is the change significant? Yes
 Public Notice published on January 8, 2002.

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METHODS OF PAYMENT OF REASONABLE COSTS - INPATIENT HOSPITAL SERVICES

(Relative Weight x DRG Price) + Outlier Payment

Each inpatient hospital claim is assigned to a DRG using the same DRG grouper version used to establish the relative weights.

A. Relative Weight:

A statewide relative weight is assigned to each DRG. The statewide relative weights are calculated using Medicaid and Children's Special Health Care Services Program inpatient paid claims for admissions between September 1, 1996 through August 31, 2000; and hospital specific cost report data drawn from cost report years ending between September 1, 1997 and August 31, 2000.

The claim file was adjusted to:

- Combine multiple billings for the same episode of service, including:
 - Invoices from a single episode of service billed as a transfer from a hospital and an admission to the same hospital caused by a change of ownership and issuance of a new Medicaid ID number,
 - Invoices for a single episode of service billed as a transfer from a hospital and an admission to a hospital created from a merger of two or more hospitals and the assignment of patient bills from multiple hospitals to a single Medicaid ID number.
- Eliminate episodes with any Medicare charges (For dual Medicare/Medicaid eligible beneficairies, only claims paid a full Medicaid DRG are included);
- Eliminate episodes assigned to DRGs reimbursed by multiplying a hospital's inpatient operating cost to charge ratio by charges;
- Eliminate episodes without any charges or days;
- Assign alternate weights for neonatal services. Two sets of weights are calculated for six
 (6) DRG classifications representing neonatal services (385-390). One set of weights is
 identified as "alternate weights" (385.1, 386.1, 387.1, 388.1, 389.1 and 390.1). These
 alternate weights are calculated from episodes that are assigned to one of these DRGs and
 include charges for services in an intensive care unit of one of the hospitals designated as
 having a neonatal intensive care unit (NICU). The remaining claims assigned to these
 DRGs are used for the other set of weights.

In order to receive the alternate weights, a hospital must have a Certificate of Need (CON) to operate a NICU or a special newborn nursery unit (SNNU) or the hospital must have previously received alternate weight reimbursement by Medicaid for its SNNU.

 Limit episodes to those from Michigan hospitals, including hospitals that are no longer in operation (provided that hospital cost report data are available);

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•	Limit episodes to those with a valid patient status (incomplete episodes are excluded as are
	additional pages of multiple page claims where there is no initial claim containg a valid
	patient status);

- Eliminate episodes with a zero dollar Medicaid liability;
- Determine the 3rd and 97th percentile length of stays by DRG, the average length of stay, and the maximum length of stay.
 - > Set the low day outlier threshold at the greater of one day or the 3rd percentile length of stay.
 - Set the high day outlier threshold at the lesser of the average length of stay plus 30 days or the 97th percentile length of stay.
 - ➤ If the DRG has less that an adequate number of episodes (currently 32), the low day threshold will be set at the lesser of the average length of stay plus 30 days, the maximum length of stay, or the Medicare DRG 90th percentile length of stay (from the corresponding Grouper as published in the <u>Federal Register</u>). If the Medicare DRG also has an inadequate number of claims, then the threshold is set based upon the expert advice of the MSA's medical staff.
- Eliminate low day outliers (Low day outliers are those episodes whose length of stay are
 less than the published low day threshold for each DRG. Since low day outliers are paid
 under a percent of charge method using the hospital's cost to charge ratio times charges,
 and do not receive a DRG payment, they are excluded from the weight calculations);
- Calculate the arithmetic mean length of stay for each DRG with each episode's length of stay limited to the high day threshold set above. This serves as the final published average length of stay.
- Limit episodes ending in a transfer to another acute setting to those whose length
 of stay was at least equal to the published average length of stay for the DRG (for
 DRGs 385 and 385.1 all transfers are included);
- Bring all charges for admissions in the first and second years of the base period up to third year charges through application of inflation and weighting factors;
- Recognize area cost differences by dividing the charges for each hospital by an area cost adjustor factor. Each area cost adjustor is calculated as follows:
 - Cost Adjustor = 0.9 x Wage Adjustor + 0.1
 - > This formula is the algebraic deviation of:
 - ◆ 0.75 x Wage Adjustor + 0.25 x (0.6 x Wage Adjustor + 0.4)

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The formula is based on the assumption that approximately 75% of a hospital's operating costs are labor costs and that 60% of the remaining 25% of a hospital's operating costs vary with its labor costs.

- ◆ Each area wage factor is area wage per F.T.E. divided by the statewide average hospital wage per F.T.E. Medicare audited wage data for hospital fiscal years ending between September 1, 1996 and August 31, 1999 is used. Contract labor cost is included in determining a hospital's wage costs.
- Each hospital's wage costs are adjusted for different fiscal year ends by multiplying the hospital's wage costs by inflation and weighting factors. All wages are brought to a common point in time.

For hospitals with cost reporting periods ending other than the end of a quarter, the inflation update for the quarter in which the fiscal year ends is used.

- If two or more hospitals merged and are now operating as a single hospital, salary and wages are computed using the combined cost report data from all hospitals involved in the merger. Salary data will be inflated to a common point in time.
- Indirect medical education (IME) charges are removed by dividing each hospital's adjusted charges by an IME adjustor. Each hospital's IME adjustor is calculated as follows:

$$1+([(1+\frac{Interns \& Residents}{Beds}).5795-1]\times0.715)$$

- > The number of beds for each hospital is the average number of available beds for the hospital. Available licensed beds are limited to beds in the medical/surgical portion of the hospital. Interns and residents are only those allocated to the medical/surgical portion of the hospital.
- Data taken from the hospital's cost report for the three fiscal years is weighted as follows: 60% for the most recent year, 24% for the middle year, and 16% for the oldest year.
- ➣ If two or more hospitals merge and are operating as a single hospital, IME data is computed after the merger using the combined cost report data from all hospitals involved in the merger.
- Adjust charges for high day and/or cost outliers to approximate the charges for the non-outlier portion of the stay.

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If a claim's length of stay is greater than the high day outlier threshold for the DRG, then it is considered a high day outlier claim. Adjusted charges representing an estimate of the non-outlier portion of charges for high day outliers are used for the relative weight and price calculations as follows:

 $Adj \ Chrg = \frac{Charges \times High \ Day \ Threshold}{High \ Day \ Threshold + [.6 \times (LOS - High \ Day \ Threshold)]}$

- ➤ A claim is a cost outlier if its costs (i.e. charges times hospital's inpatient operating cost to charge ratio) are greater than the cost threshold for that DRG (the threshold is set at the larger of twice the DRG payment or \$50,000).
 - The cost to charge ratio is each hospital's inpatient operating cost to charge ratio, not to exceed 1.0.
 - The adjusted charges for cost outliers use a cost threshold estimate the greater of:

Cost Threshold = $2 \times Avg$. Cost for DRG

Or \$50,000.

• Adjusted charges are calculated as follows:

Adj Chrg = Charges - $\frac{[(Charges \times Cost \ Ratio) - Cost \ Threshold] \times 0.85}{Cost \ Ratio}$

- If an episode is both a high day and a cost outlier, the lesser of the two adjusted charges is used in computing the relative weights and DRG prices.
- The adjusted cost for each episode is calculated by multiplying the adjusted charges for the episode by the inpatient operating cost to charge ratio.
 - Each hospital's Title XIX operating cost to total charge ratio is obtained from filed cost reports for three fiscal years, ending between September 1, 1997 and August 31, 2000, weighted as follows: 60% for the most recent year, 24% for the middle year, and 16% for the oldest year. If the cost to charge ratio is greater than 1.0, then 1.0 is used.
 - If two or more hospitals merge, and are operating as a single hospital, a cost to charge ratio for the period is computed using the combined cost report data from all hospitals involved in the merger. Cost and charge data will be inflated to a common point in time.

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- The average cost for episodes within each DRG is calculated by dividing the sum
 of the costs for the episodes by the number of episodes within the DRG.
- The relative weight for each DRG is calculated by dividing the average cost for
 episodes within each DRG by the average cost per episode for all episodes. A
 table showing the relative weights, average lengths of stay, and outlier thresholds
 for each DRG is included in Appendix A.
- Bring all charges for discharges between September 1, 1997 and August 31, 1999 to the period of September 1, 1999 through August 31, 2000 through application of inflation and weighting factors.

Data for current wage adjustors are taken from hospital cost reporting periods ending between September 1, 1996 and August 31, 1999. Each hospital's wage costs are adjusted for different fiscal year end dates by multiplying the hospital's wage costs by inflation and weighting factors. All wages are brought to a common point in time. The following adjustment factors derived from the 2nd Quarter 2001 Data Resources, Inc. PPS-Type Hospital Market Basket Index, employee cost component, are used:

	Wage Inflation	Wage Weighting
FTE	Factors	Factors
9/30/96	1.1351	0.16
12/31/96	1.1277	0.16
3/31/97	1.1210	0.16
6/30/97	1.1141	0.16
9/30/97	1.1065	0.24
12/31/97	1.0980	0.24
3/31/98	1.0890	0.24
6/30/98	1.0799	0.24
9/30/98	1.0708	0.60
12/31/98	1.0625	0.60
3/31/99	1.0544	0.60
6/30/99	1.0463	0.60
8/31/99	1.0388	0.60

For hospitals with cost reporting periods ending other than at the end of a quarter, the inflation update for the quarter in which the hospital's fiscal year ends is used.

B. DRG Price:

The episode file used for DRG price calculations is the same as the file used to set the relative weights with the following exceptions:

- The episode file is limited to those hospitals enrolled as of a specified date.
- The case mix is calculated using the sum of all relative weights assigned to each hospital's claims during the base period, divided by the total number of episodes for the hospital during the same period.

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- · The adjusted cost for each hospital is summed.
- The hospital specific base price (cost per discharge for a case mix of 1.00) is computed.
 - > Divide total adjusted cost by total number of episodes.
 - > Divide average costs by the case mix.
 - Multiply the result by the applicable inflation and weighting factors. Costs are inflated through the rate period. Inflation factors are obtained from the 2nd Quarter 2001 Data Resources, Inc. PPS -Type Hospital Market Basket Index. The following inflation and weighting factors are used:

	Cost Inflation	Weighting
FTE_	Factors	Factors
9/30/97	1.0921	0.16
12/31/97	1.0856	0.16
3/31/98	1.0785	0.16
6/30/98	1.0699	0.16
9/30/98	1.0614	0.24
12/31/98	1.0537	0.24
3/31/99	1.0470	0.24
6/30/99	1.0412	0.24
9/30/99	1.0354	0.60
12/31/99	1.0283	0.60
3/31/00	1.0196	0.60
6/30/00	1.0100	0.60
8/31/00	1.0000	0.60

Determine the DRG base price by:

- Calculate each hospital's limited base price. This is the lesser of the hospital specific base price or the mean of all base prices, plus one standard deviation.
- Calculate the statewide operating cost limitation. This is a truncated, weighted mean
 of all hospitals' limited base prices divided by base period discharges.
- The lesser of the truncated mean or the hospital specific base price then becomes the DRG base price (before the cost adjustor and incentives are added) for each hospital.

Calculate any incentive. For hospitals with base DRG prices below the operating limit (truncated mean), the hospital's base DRG price is increased by adding 10% of the difference between the hospital specific base price and the limit.

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Adjust each hospital's DRG base price, plus any incentive, by the updated cost adjustor. The updated cost adjustor is calculated, to reflect the most current data available, in the same manner as the base cost adjustor, except that:

- Medicare audited wage data for hospital fiscal years ending between September 1, 1997 and August 31, 2000 is used.
- The wage and benefit inflation factors are derived from the 2nd Quarter 2001 Data Resources, Inc. PPS-Type Hospital Market Basket Index, employee cost component, were used (see wage inflation and weighting factors above).
- In the event that changes in federal regulations result in incompatible data between the base and update periods, adjustments are made either to the base or the update period to render the data comparable.

To summarize the above, the DRG price for each hospital is calculated using the following procedure:

- 1. Hospital's adjusted charges.
- 2. Inpatient cost to charge ratio.
- 3. Hospital's adjusted costs (line 1* line 2).
- 4. Hospital's episodes.
- 5. Cost per discharge (line 3/line 4).
- 6. Hospital's casemix.
- 7. Weighted inflation.
- 8. Hospital's base price (line 5 line 7/line 6).
- 9. Establish the statewide base limit (mean plus one standard deviation).
- 10. Hospital's limited base price (lesser of lines 8 or 9).
- 11. Establish the statewide operating cost limit (truncated, weighted mean of line 10).
- 12. Hospital's DRG base price (lesser of lines 8 or 11).
- 13. Calculate the hospital's incentive is applied (if line 12 < line 11, 10% of line 12 line 11, otherwise 0).
- 14. Hospital's DRG base price plus any incentive (line 12 plus line 13).
- 15. Hospital's Area Cost Adjustor.
- 16. Hospital's final DRG price (line 14 x line 15). The DRG price is rounded to the nearest whole dollar amount.
- C. Special Circumstances Under DRG Reimbursement

In some special circumstances, reimbursement for operating costs uses a DRG daily rate. The DRG daily rate is:

DRG Price × Relative Weight Average Length of Stay for the DRG

The average length of stay, low day and the high day outlier thresholds for each DRG are listed in Addendix A at the end of this section.

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1. High Day Outliers

High day thresholds are set at the lesser of the 97th percentile of the length of stay or 30 days beyond the mean length of stay for each DRG.

Reimbursement for high day outliers is:

DRG Price
$$\times$$
 Rel. Wt. + [60% \times Outlier Days \times ($\frac{DRG \ Price \times Rel. \ Wt.}{Avg. \ LOS \ for \ the \ DRG}$)]

If an episode is both a high day and a cost outlier, reimbursement will be the greater of the two amounts.

2. Low Day Outliers

For services where the length of stay is less than the published low day threshold, reimbursement is actual charges multiplied by the individual hospital's inpatient operating cost to charge ratio excluding IME, not to exceed the full DRG payment. The specific low day outlier threshold for each DRG is listed in Appendix A.

Less than Acute Care

If a claim is a high day outlier and review shows that the beneficiary required less than acute continuous medical care during the outlier day period, Medicaid will pay for the less than acute care days at the statewide average nursing facility per diem rate for the outlier days, if nursing facility care is medically necessary.

4. Cost Outliers

An episode is a cost outlier when costs for the episode (charges times the hospital's inpatient operating cost to charge ratio excluding IME) exceed the computed cost threshold. Claims assigned to DRGs paid a percent of charge cannot be cost outliers.

Reimbursement for cost outliers will be dependent upon the cost threshold.

The Cost Threshold is the larger of:

- 2 x DRG Price x Rel. Wt. (twice the regular payment for a transfer paid on a per diem basis for episodes getting less than a full DRG), or
- \$50,000

Cost Outliers will be reimbursed according to the following formula:

(DRG Price x Rel. Wt.) +(85% x [(Charges x Operating Ratio) - Cost Threshold])

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If an episode is both a high day and a cost outlier, reimbursement is the greater of the two amounts.

5. Transfers

Payment to a hospital that receives a patient as a transfer from another inpatient hospital differs depending on whether the patient is discharged or is subsequently transferred again.

Payment to the Transferring Hospital

Except in the cases where the DRG is defined as a transfer of a patient (for which a full DRG payment is made, plus an outlier payment, if appropriate) the transferring hospital is paid a DRG daily rate for each day of the beneficiary's stay, not to exceed the appropriate full DRG payment, plus an outlier payment, if appropriate. If the transferring hospital is a specialty hospital (e.g. burn, neonatal), depending on the submitted documentation, and a request for "individual consideration" or the actual number of days of stay, payment may be a full DRG payment, plus an outlier payment as appropriate.

b. Payment to the Receiving Hospital

If the patient is discharged, the receiving hospital is paid the full DRG payment, plus an outlier payment if appropriate.

Reimbursement is based on discharge in the following situations. If the beneficiary:

- Is formally released from the hospital, or
- Is transferred to home health services, or
- Dies while hospitalized, or
- · Leaves the hospital against medical advice, or
- Is transferred to a long-term care facility.

If the patient transferred again, the hospital is paid as a transferring hospital.

6. Readmissions

Readmissions within 15 days for a related condition, whether to the same or a different hospital, are considered a part of a single episode for payment purposes.

If the readmission is to a different hospital, full payment is made to the second hospital. The first hospital's payment is reduced by the amount paid to the second hospital. The first hospital's payment is never less than zero for the episode.

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Readmissions for an unrelated condition, whether to the same or a different hospital, are considered separate episodes for payment purposes.

7. Percent of Charge Reimbursement

The payment amount for claims that fall into DRGs 103, 468, 480, 481, 495, 512 or 513 is total hospital charges times the hospital's inpatient operating cost to charge ratio excluding IMF

The ratio is the hospital's Title XIX inpatient operating cost to charge ratio as obtained from weighted filed cost reports for fiscal years ending between September 1, 1997 and August 31, 2000.

8. Hospitals Outside of Michigan

Medical/surgical hospitals not located in Michigan are reimbursed under the DRG system. The DRG price is the statewide operating cost limit (truncated mean of base prices located in Michigan).

Hospitals that have charges that exceed \$250,000 during a single fiscal year (using the State of Michigan fiscal year - October 1st through September 30th) may be reimbursed the hospital's inpatient operating cost to charge ratio for those Michigan Medicaid DRGs reimbursed by percentage of charge. The hospitals' chief financial officer must submit and the MSA must accept documentation stating the hospital's Medicaid cost to charge ratio in the state that the hospital is located. Once accepted, the hospital's actual cost to charge ratio is applied prospectively to those DRGs and claims subject to percentage of charge reimbursement using the Michigan DRG payment system.

9. New Hospitals

A new medical/surgical hospital is one for which no Michigan Medicaid program cost or paid claims data exists during the period used to establish hospital specific base rates or one which was not enrolled in the Medicaid program when hospital specific base prices/rates were last established. Hospitals that experience a change of ownership or that are created as the result of a merger are not considered new hospitals.

The DRG base price for new general hospitals is the statewide operating limit until new DRG base prices are calculated for all hospitals using data from time periods during which the new hospital provided services to Medicaid beneficiaries.

D. Hospitals and Units Exempt from DRG Reimbursement

1. Calculating Per Diem Rates

The per diem prices calculated for the Michigan Medicaid system utilize Medicaid and Children's Special Health Care Services inpatient claims for admissions from September 1, 1996 through August 31, 2000 paid by June 30, 2001. Hospital

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specific cost report data is drawn from cost report years ending between September 1, 1997 and August 31, 2000.

The claim file is limited to those hospitals enrolled as of the specified date.

The invoice file is adjusted to:

- Eliminate episodes with any Medicare charges. (For dual Medicare/Medicaid eligible beneficiaries, only claims paid a full Medicaid DRG are included);
- Eliminate episodes without any charges or days.
- Limit episodes to those from Michigan hospitals (provided that hospital cost report data are available).
- Limit episodes to those with a valid patient status (incomplete episodes were excluded as are additional pages of a multiple page bills where there is no initial claim containing a valid patient status).
- Eliminate episodes with a zero dollar Medicaid liability.

Total charges and days paid are summed by hospital.

The cost for each hospital is calculated by multiplying the charges for the hospital by the cost to charge ratio for the hospital.

- Each hospital's operating cost to total charge ratio is obtained from weighted filed cost reports for fiscal years ending between September 1, 1997 and August 31, 2000. If the cost to charge ratio is greater than 1.00, then 1.00 is used. For distinct part rehabilitation units, this ratio is unique to the unit.
- If two or more hospitals merged and are now operating as a single hospital, a
 cost to charge ratio is computed using the combined cost report data from all
 hospitals involved in the merger. Cost and charge data will be inflated to a
 common point in time.

The cost per day by hospital is calculated by dividing the sum of the costs by the number of days for the hospital.

To determine a hospital specific Per Diem base rate:

 Multiply the cost per day by the applicable inflation factor. Each hospital's costs are inflated to a common point in time. Inflation factors were obtained from the 2nd Quarter 2001 Data Resources, Inc. PPS-Type Hospital Market Basket Index.

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FTE 9/30/97 12/31/97 3/31/98 6/30/98 9/30/98 12/31/98 3/31/99 6/30/99 9/30/99 12/31/99 3/31/00 6/30/00	Cost Inflation Factors 1.0921 1.0856 1.0785 1.0699 1.0614 1.0537 1.0470 1.0412 1.0354 1.0283 1.0196	Weighting Factors 0.16 0.16 0.16 0.24 0.24 0.24 0.24 0.60 0.60
6/30/00 8/31/00	1.0190 1.0100 1.0000	0.60 0.60 0.60
0/3 1/00	1.0000	0.00

The inflation update for the quarter in which the hospital's fiscal year ends is used.

- Recognize area cost differences by dividing the cost per day for each hospital by an area cost adjustor factor. Each area cost adjustor is calculated as follows:
 - ➤ Cost Adjustor = 0.9 x Wage Adjustor + 0.1
 - > This formula is the algebraic derivation of:

0.75 x Wage Adjustor + 0.25 x (0.6 x Wage Adjustor + 0.4)

The formula is based on the assumption that approximately 75% of a hospital's operating costs are labor costs and that 60% of the remaining 25% of a hospital's operating costs vary with its labor costs.

- ➤ Each area wage factor is area wage per full-time equivalent (F.T.E.) divided by the statewide average hospital wage per F.T.E. Contract labor costs are included in determining a hospital's wage costs.
- Each hospital's wage costs are adjusted for different fiscal year end dates by multiplying the hospital's wage costs by inflation and weighting factors. All wages are brought to a common point in time. The following adjustment factors, derived from the 2nd Quarter 2001 Data Resources, Inc. PPS-Type Hospital Market Basket Index, employee cost component, are used:

	vvage inflation	wage weighting
FTE	Factors	Factors
9/30/96	1.1351	0.16
12/31/96	1.1277	0.16

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3/31/97	1.1210	0.16	
6/30/97	1.1141	0.16	
9/30/97	1.1065	0.24	
12/31/97	1.0980	0.24	
3/31/98	1.0890	0.24	
6/30/98	1.0799	0.24	
9/30/98	1.0708	0.60	
12/31/98	1.0625	0.60	
3/31/99	1.0544	0.60	
6/30/99	1.0463	0.60	
8/31/99	1.0388	0.60	

For hospitals with cost reporting periods ending other than the end of a quarter, the inflation update for the quarter in which the hospital's fiscal year ends is used.

- > The wage data for distinct part rehabilitation units is the same as for the inpatient medical/surgical area of the hospital. The cost reports do not differentiate salaries/hours by unit type.
- > If two or more hospitals merge and are now operating as a single hospital, salary and wages are computed using the combined cost report data from all hospitals involved in the merger. Salary data will be inflated to a common point in time.
- Remove indirect medical education (IME) costs by dividing by an adjustor for indirect education. Each hospital's IME adjustor is calculated as follows:
 - > IME Adjustor = $1 + 0.715 \times [(1 + Interns & Residents/Beds)^{0.5795} 1]$
 - Distinct part rehabilitation units report this data separately. The IME adjustor is unique to the unit.
 - > If two or more hospitals merge and are now operating as a single hospital, indirect medical education data is computed using the combined cost report data from all hospitals involved in the merger.

To determine the per diem rate:

- Calculate the statewide operating cost limit (by provider type). This is a
 weighted mean of all hospitals' specific base prices weighted by base period
 days (truncated mean), multiplied by the appropriate percentage.
 - > For freestanding rehabilitation hospitals the percentage is 150%.
 - > The 50th percentile is determined by calculating a standardized rate for each unit. The standardized rate for all enrolled Michigan units are sorted

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in ascending order. The standardized rate of the first unit after the 50% of the units listed becomes the statewide 50th percentile.

- > For distinct part rehabilitation units the percentage is 200%.
- Calculate the statewide operating cost minimum (by provider type). This is a truncated, weighted mean of all hospitals' specific base prices weighted by base period days multiplied by 70%.
- The per diem base rate is the lesser of:
 - > The greater of the hospital specific base price or the statewide operating cost minimum, or
 - > The statewide operating cost limit.

Adjust each hospital's per diem rate by the updated cost adjustor (to reflect a hospital specific per diem rate). The updated cost adjustor is calculated, to reflect the most current data available, in the same manner as the base cost adjustor, except that:

- Medicare audited wage data for hospital fiscal years ending between September 1, 1996 and August 31, 1999 is used.
- The wage inflation and weighting factors are derived from the employee cost component of the 2nd Quarter 2001 Data Resources, Ind. PPS-Type Hospital Market Basket Index. The same inflation and weighting factors were used here as were used for the DRG update found in Section III, B., DRG Price.
- In the event that changes in federal regulations result in incompatible data between the base and update periods, adjustments are made either to the base or the update period to render the data comparable.

Calculate the final per diem rate by rounding to the nearest whole dollar.

2. Hospitals Outside of Michigan

Freestanding rehabilitation hospitals and distinct part rehabilitation units not located in Michigan are reimbursed using a per diem rate. The per diem rate is the statewide weighted average per diem (truncated mean) for this provider type.

3. New Freestanding Hospitals and Distinct Part Units

If a hospital at least doubles the number of licensed beds in its distinct part unit and the number of licensed beds in the units increases by at least 20, the entire unit is treated as a new distinct part unit for determining the per diem rate. In order for this provision to apply, the hospital must request in writing that the unit is treated as a new unit. The new unit rate will become effective on the date that the number of

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Supersedes			-	
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METHODS OF PAYMENT OF REASONABLE COSTS - INPATIENT HOSPITAL SERVICES

licensed beds doubles and the increase is at least 20 beds, or the date on which the request is received by MSA, whichever is later.

New freestanding hospitals and distinct part units are reimbursed using the statewide average (weighted by days during the base period) per diem rate for the provider type.

A hospital/unit specific per diem rate is established when new rates are calculated using data from time periods during which the new hospital/unit provided services to Medicaid patients.

E. Frequency of Recalibration

The Department will recalibrate hospital prices and ratios according to the following _schedule:

- Relative weights will be recalibrated annually.
- DRG prices will be rebased every three years and updated annually.
- Per Diem rates will be rebased every two years and updated annually.
- Inpatient operating cost to charge ratios will be recalculated with each DRG/Per Diem rebasing.

F. Mergers

1. General Hospitals

In the evenet of a merger between two or more hospitals between DRG rebasing periods, the DRG rate for the surviving hospital will be computed as follows:

- Cost to charge ratio, indirect medical education, and wage data will be inflated to a common point in time (for the surviving entity).
- No changes will be made to the relative weights.
- The DRG rate will be computed with the same methodology as described in the section covering the computation of the DRG rates, with the following exceptions:
 - No change will be made to the statewide cost limit.
 - No change will be made to the statewide average used to compute the update base wage adjustor.
 - No change will be made with respect to the statewide average used to compute the update wage adjustor.

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DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
1	1	SURG	Craniotomy Age >17 Except For Trauma	4.5023	10.27	1	40
2	1	SURG	Craniotomy For Trauma Age >17	5.1215	11.20	1	36
3	1	SURG	Craniotomy Age 0-17	2.5217	7.11	1	37
4	1	SURG	Spinal Procedures	3.0718	8.26	1	38
5	1	SURG	Extracranial Vascular Procedures	1.9583	4.00	1	17
6	1	SURG	Carpal Tunnel Release	1.0308	3.90	1	6
7	1	SURG	Periph & Cranial Nerve & Other Nerv Syst Proc W Cc	2.7458	9.28	1	35
8	1	SURG	Periph & Cranial Nerve & Other Nerv Syst Proc W/O Cc	1.7008	2.99	1	10
9	1	MED	Spinal Disorders & Injuries	1.4006	4.70	1	12
10	1	MED	Nervous System Neoplasms W Cc	1.5952	6.24	1	24
11	1	MED	Nervous System Neoplasms W/O Cc	1.0187	3.90	1	12
12	1	MED	Degenerative Nervous System Disorders	1.3789	6.40	1	22
13	1	MED	Multiple Sclerosis & Cerebellar Ataxia	1.1579	5.90	1	18
14	1	MED	Specific Cerebrovascular Disorders Except Tia	1.8149	6.46	1	22
15	1	MED	Transient Ischemic Attack & Precerebral Occlusions	0.9138	3.37	1	9
16	1	MED	Nonspecific Cerebrovascular Disorders W Cc	1.8682	7.33	1	23
17	1	MED	Nonspecific Cerebrovascular Disorders W/O Cc	0.9452	3.38	1	16
18	1	MED	Cranial & Peripheral Nerve Disorders W Cc	1.2297	5.73	1	23
19	1	MED	Cranial & Peripheral Nerve Disorders W/O Cc	0.8534	3.70	1	12
20	1	MED	Nervous System Infection Except Viral Meningitis	2.4592	9.04	1	30
21	1	MED	Viral Meningitis	0.6532	3.13	1	8
22	1	MED	Hypertensive Encephalopathy	1.6498	5.50	1	18
23	1	MED	Nontraumatic Stupor & Coma	0.8355	3.23	1	15
24	1	MED	Seizure & Headache Age >17 W Cc	1.0665	4.16	1	15
25	1	MED	Seizure & Headache Age >17 W/O Cc	0.6839	2.87	1	9
26	1	MED	Seizure & Headache Age 0-17	0.5825	2.48	1	8
27	1	MED	Traumatic Stupor & Coma, Coma >1 Hr	1.5733	4.20	1	17
28	1	MED	Traumatic Stupor & Coma, Coma <1 Hr Age >17 W Cc	1.3351	4.55	1	23
29	1	MED	Traumatic Stupor & Coma, Coma <1 Hr Age >17 W/O Cc	0.7442	2.76	1	8
30	1	MED	Traumatic Stupor & Coma, Coma <1 Hr Age 0-17	0.5756	1.96	1	7

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
31	1	MED	Concussion Age >17 W Cc	0.8173	2.48	1	8
32	1	MED	Concussion Age >17 W/O Cc	0.6270	1.73	1	5
33	1	MED	Concussion Age 0-17	0.4156	1.27	1	3
34	1	MED	Other Disorders Of Nervous System W Cc	1.3607	5.09	1	23
35	1	MED	Other Disorders Of Nervous System W/O Cc	0.6381	2.77	1	10
36	2	SURG	Retinal Procedures	1.1878	1.69	1	11
37	2	SURG	Orbital Procedures	1.1549	3.07	1	9
38	2	SURG	Primary Iris Procedures	0.6193	1.67	1	5
39	2	SURG	Lens Procedures With Or Without Vitrectomy	0.9422	2.00	1	5
40	2	SURG	Extraocular Procedures Except Orbit Age >17	1.4287	3.89	1	14
41	2	SURG	Extraocular Procedures Except Orbit Age 0-17	2.3751	6.68	1	36
42	2	SURG	Intraocular Procedures Except Retina, Iris & Lens	1.2150	3.58	1	30
43	2	MED	Hyphema	0.4639	3.59	1	10
44	2	MED	Acute Major Eye Infections	0.5361	3.42	1	10
45	2	MED	Neurological Eye Disorders	0.7756	2.96	1	8
46	2	MED	Other Disorders Of The Eye Age >17 W Cc	0.7675	3.56	1	10
47	2	MED	Other Disorders Of The Eye Age >17 W/O Cc	0.5747	2.78	1	14
48	2	MED	Other Disorders Of The Eye Age 0-17	0.7624	3.58	1	17
49	3	SURG	Major Head & Neck Procedures	3.0112	3.11	1	16
50	3	SURG	Sialoadenectomy	0.8976	1.60	1	4
51	3	SURG	Salivary Gland Procedures Except Sialoadenectomy	1.2600	4.00	1	13
52	3	SURG	Cleft Lip & Palate Repair	0.7541	1.49	1	4
53	3	SURG	Sinus & Mastoid Procedures Age >17	1.4771	3.95	1	17
54	3	SURG	Sinus & Mastoid Procedures Age 0-17	1.3688	3.49	1	15
55	3	SURG	Miscellaneous Ear, Nose, Mouth & Throat Procedures	1.9681	5.09	1	27
56	3	SURG	Rhinoplasty	0.9942	2.17	1	9
57	3	SURG	T&A Proc, Except Tonsillectomy &/Or Adenoidectomy	0.7904	3.10	1	13
58	3	SURG	Only, Age >17 T&A Proc, Except Tonsillectomy &/Or Adenoidectomy Only, Age 0-17	0.8798	2.90	1	9
59	3	SURG	Tonsillectomy &/Or Adenoidectomy Only, Age >17	0.9219	2.50	1	9
60	3	SURG	Tonsillectomy &/Or Adenoidectomy Only, Age 0-17	0.8194	2.46	1	10

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
61	3	SURG	Myringotomy W Tube Insertion Age >17	2.2255	6.00	1	14
62	3	SURG	Myringotomy W Tube Insertion Age 0-17	0.9458	2.71	1	14
63	3	SURG	Other Ear, Nose, Mouth & Throat O.R. Procedures	1.6221	3.15	1	11
64	3	MED	Ear, Nose, Mouth & Throat Malignancy	1.7943	7.38	1	22
65	3	MED	Dysequilibrium	0.6183	2.67	1	7
66	3	MED	Epistaxis	0.7128	2.93	1	9
67	3	MED	Epiglottitis	0.8780	3.00	1	8
68	3	MED	Otitis Media & Uri Age >17 W Cc	0.6566	2.89	1	9
69	3	MED	Otitis Media & Uri Age >17 W/O Cc	0.4567	2.28	1	6
70	3	MED	Otitis Media & Uri Age 0-17	0.4361	2.41	1	7
71	3	MED	Laryngotracheitis	0.3743	1.80	1	5
72	3	MED	Nasal Trauma & Deformity	0.7545	2.60	1	6
73	3	MED	Other Ear, Nose, Mouth & Throat Diagnoses Age >17	0.7525	3.28	1	9
74	3	MED	Other Ear, Nose, Mouth & Throat Diagnoses Age 0-17	0.7119	2.87	1	11
75	4	SURG	Major Chest Procedures	4.0545	11.60	1	42
76	4	SURG	Other Resp System O.R. Procedures W Cc	3.8016	12.52	1	43
77	4	SURG	Other Resp System O.R. Procedures W/O Cc	1.2691	4.63	1	18
78	4	MED	Pulmonary Embolism	1.5460	6.46	1	16
79	4	MED	Respiratory Infections & Inflammations Age >17 W Cc	2.1360	8.92	2	27
80	4	MED	Respiratory Infections & Inflammations Age >17 W/O Cc	1.1407	5.51	1	18
81	4	MED	Respiratory Infections & Inflammations Age 0-17	1.6955	7.14	1	21
82	4	MED	Respiratory Neoplasms	1.9019	7.47	1	25
83	4	MED	Major Chest Trauma W Cc	0.9865	3.35	1	9
84	4	MED	Major Chest Trauma W/O Cc	0.5476	3.00	1	7
85	4	MED	Pleural Effusion W Cc	1.4468	5.78	1	18
86	4	MED	Pleural Effusion W/O Cc	0.6421	2.89	1	7
87	4	MED	Pulmonary Edema & Respiratory Failure	2.3281	7.06	1	29
88	4	MED	Chronic Obstructive Pulmonary Disease	1.0680	4.48	1	12
89	4	MED	Simple Pneumonia & Pleurisy Age >17 W Cc	1.2245	5.22	1	14
90	4	MED	Simple Pneumonia & Pleurisy Age >17 W/O Cc	0.7462	3.45	1	8

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
91	4	MED	Simple Pneumonia & Pleurisy Age 0-17	0.6256	3.07	1	8
92	4	MED	Interstitial Lung Disease W Cc	1.6598	7.06	1	28
93	4	MED	Interstitial Lung Disease W/O Cc	0.9159	4.30	1	15
94	4	MED	Pneumothorax W Cc	1.2154	5.33	1	20
95	4	MED	Pneumothorax W/O Cc	0.6574	3.46	1	9
96	4	MED	Bronchitis & Asthma Age >17 W Cc	0.8446	3.67	1	10
97	4	MED	Bronchitis & Asthma Age >17 W/O Cc	0.5973	2.72	1	7
98	4	MED	Bronchitis & Asthma Age 0-17	0.5226	2.60	1	7
99	4	MED	Respiratory Signs & Symptoms W Cc	0.8469	3.12	1	11
100	4	MED	Respiratory Signs & Symptoms W/O Cc	0.5023	2.11	1	6
101	4	MED	Other Respiratory System Diagnoses W Cc	0.9738	3.66	1	13
102	4	MED	Other Respiratory System Diagnoses W/O Cc	0.5390	2.14	1	7
103	PRE	SURG	Heart Transplant	Paid	Percentag	ge of Charg	je
104	5	SURG	Cardiac Valve & Oth Major Cardiothoracic Proc W Card	9.9059	18.61	1	50
105	5	SURG	Cath. Cardiac Valve & Oth Major Cardiothoracic Proc W/O Card Cath.	6.4377	10.71	3	35
106	5	SURG	Coronary Bypass W Ptca	7.1904	11.73	3	35
107	5	SURG	Coronary Bypass W Cardiac Cath	5.8368	10.60	4	25
108	5	SURG	Other Cardiothoracic Procedures	5.5541	9.94	1	40
109	5	SURG	Coronary Bypass W/O Ptca Or Cardiac Cath	3.9677	7.16	3	21
110	5	SURG	Major Cardiovascular Procedures W Cc	5.3040	10.76	1	41
111	5	SURG	Major Cardiovascular Procedures W/O Cc	2.4898	4.52	1	11
112	5	SURG	No Longer Valid				
113	5	SURG	Amputation For Circ System Disorders Except Upper Limb & Toe	4.4285	16.53	3	45
114	5	SURG	Upper Limb & Toe Amputation For Circ System Disorders	2.4295	9.96	1	34
115	5	SURG	Prm Card Pacem Impl W Ami,Hrt Fail Or Shk,Or Aicd Lead Or Gn	4.8036	8.55	1	30
116	5	SURG	Other Permanent Cardiac Pacemaker Implant	3.1712	4.92	1	17
117	5	SURG	Cardiac Pacemaker Revision Except Device Replacement	1.8212	5.00	1	31
118	5	SURG	Cardiac Pacemaker Device Replacement	2.2607	4.46	1	22
119	5	SURG	Vein Ligation & Stripping	1.0340	5.17	1	15

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
120	5	SURG	Other Circulatory System O.R. Procedures	3.1331	10.29	1	35
121	5	MED	Circulatory Disorders W Ami & Major Comp, Discharged Alive	2.5137	6.18	1	20
122	5	MED	Circulatory Disorders W Ami W/O Major Comp, Discharged Alive	1.5720	3.48	1	9
123	5	MED	Circulatory Disorders W Ami, Expired	2.1513	4.08	1	20
124	5	MED	Circulatory Disorders Except Ami, W Card Cath &	1.7588	4.65	1	14
125	5	MED	Complex Diag Circulatory Disorders Except Ami, W Card Cath W/O Complex Diag.	1.2636	2.86	1	9
126	5	MED	Acute & Subacute Endocarditis	4.0214	16.06	1	46
127	5	MED	Heart Failure & Shock	1.2385	4.86	1	15
128	5	MED	Deep Vein Thrombophlebitis	0.9727	5.28	1	11
129	5	MED	Cardiac Arrest, Unexplained	1.2665	2.07	1	10
130	5	MED	Peripheral Vascular Disorders W Cc	1.2610	6.35	1	19
131	5	MED	Peripheral Vascular Disorders W/O Cc	0.8232	4.81	1	10
132	5	MED	Atherosclerosis W Cc	0.8472	2.72	1	8
133	5	MED	Atherosclerosis W/O Cc	0.7878	2.29	1	6
134	5	MED	Hypertension	0.7900	3.14	1	9
135	5	MED	Cardiac Congenital & Valvular Disorders Age >17 W Cc	1.4176	4.70	1	28
136	5	MED	Cardiac Congenital & Valvular Disorders Age >17 W/O Cc	0.6178	2.40	1	7
137	5	MED	Cardiac Congenital & Valvular Disorders Age 0-17	1.7650	5.31	1	33
138	5	MED	Cardiac Arrhythmia & Conduction Disorders W Cc	1.0615	3.70	1	12
139	5	MED	Cardiac Arrhythmia & Conduction Disorders W/O Cc	0.6203	2.13	1	7
140	5	MED	Angina Pectoris	0.7762	2.37	1	6
141	5	MED	Syncope & Collapse W Cc	0.8260	3.23	1	10
142	5	MED	Syncope & Collapse W/O Cc	0.6357	2.28	1	6
143	5	MED	Chest Pain	0.6687	2.03	1	6
144	5	MED	Other Circulatory System Diagnoses W Cc	1.6791	6.56	1	24
145	5	MED	Other Circulatory System Diagnoses W/O Cc	0.8739	3.13	1	10
146	6	SURG	Rectal Resection W Cc	3.0182	10.54	4	42
147	6	SURG	Rectal Resection W/O Cc	2.2634	7.00	1	17
148	6	SURG	Major Small & Large Bowel Procedures W Cc	4.2900	13.69	3	44

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
_							
149	6	SURG	Major Small & Large Bowel Procedures W/O Cc	1.8820	6.70	2	15
150	6	SURG	Peritoneal Adhesiolysis W Cc	3.0143	10.97	2	40
151	6	SURG	Peritoneal Adhesiolysis W/O Cc	1.4757	4.95	1	14
152	6	SURG	Minor Small & Large Bowel Procedures W Cc	2.3832	8.86	2	39
153	6	SURG	Minor Small & Large Bowel Procedures W/O Cc	1.4318	5.61	2	12
154	6	SURG	Stomach, Esophageal & Duodenal Procedures Age >17 W	4.3057	12.39	2	43
155	6	SURG	Stomach, Esophageal & Duodenal Procedures Age >17 W/O Cc	1.5877	4.50	1	11
156	6	SURG	Stomach, Esophageal & Duodenal Procedures Age 0-17	1.5955	4.98	1	28
157	6	SURG	Anal & Stomal Procedures W Cc	1.5850	5.84	1	36
158	6	SURG	Anal & Stomal Procedures W/O Cc	0.8342	2.97	1	9
159	6	SURG	Hernia Procedures Except Inguinal & Femoral Age >17 W	1.5626	4.39	1	11
160	6	SURG	Hernia Procedures Except Inguinal & Femoral Age >17 W/O Cc	0.9876	2.45	1	6
161	6	SURG	Inguinal & Femoral Hernia Procedures Age >17 W Cc	1.4895	4.57	1	20
162	6	SURG	Inguinal & Femoral Hernia Procedures Age >17 W/O Cc	0.8382	2.31	1	6
163	6	SURG	Hernia Procedures Age 0-17	1.2336	3.22	1	30
164	6	SURG	Appendectomy W Complicated Principal Diag W Cc	2.1144	7.61	2	19
165	6	SURG	Appendectomy W Complicated Principal Diag W/O Cc	1.2686	4.29	1	9
166	6	SURG	Appendectomy W/O Complicated Principal Diag W Cc	1.1975	3.14	1	9
167	6	SURG	Appendectomy W/O Complicated Principal Diag W/O Cc	0.8386	1.95	1	5
168	3	SURG	Mouth Procedures W Cc	1.4097	4.02	1	20
169	3	SURG	Mouth Procedures W/O Cc	0.8660	2.40	1	9
170	6	SURG	Other Digestive System O.R. Procedures W Cc	3.3629	10.95	1	42
171	6	SURG	Other Digestive System O.R. Procedures W/O Cc	1.2728	3.89	1	11
172	6	MED	Digestive Malignancy W Cc	2.0768	8.47	1	28
173	6.	MED	Digestive Malignancy W/O Cc	1.2247	5.36	1	15
174	6	MED	G.I. Hemorrhage W Cc	1.2860	4.56	1	16
175	6	MED	G.I. Hemorrhage W/O Cc	0.6600	2.77	1	9
176	6	MED	Complicated Peptic Ulcer	1.3180	5.68	1	22
177	6	MED	Uncomplicated Peptic Ulcer W Cc	0.8341	3.54	1	7

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
178	6	MED	Uncomplicated Peptic Ulcer W/O Cc	0.7093	2.64	1	8
179	6	MED	Inflammatory Bowel Disease	1.1145	5.86	1	19
180	6	MED	G.I. Obstruction W Cc	0.9711	4.62	1	14
181	6	MED	G.I. Obstruction W/O Cc	0.6039	3.30	1	9
182	6	MED	Esophagitis, Gastroent & Misc Digest Disorders Age >17 W Cc	0.8489	3.71	1	12
183	6	MED	Esophagitis, Gastroent & Misc Digest Disorders Age >17 W/O Cc	0.6174	2.54	1	7
184	6	MED	Esophagitis, Gastroent & Misc Digest Disorders Age 0-17	0.4110	2.40	1	7
185	3	MED	Dental & Oral Dis Except Extractions & Restorations, Age >17	0.7686	2.82	1	9
186	3	MED	Dental & Oral Dis Except Extractions & Restorations, Age 0-17	0.6753	3.51	1	11
187	3	MED	Dental Extractions & Restorations	0.8539	2.95	1	8
188	6	MED	Other Digestive System Diagnoses Age >17 W Cc	1.3512	5.70	1	20
189	6	MED	Other Digestive System Diagnoses Age >17 W/O Cc	0.6204	2.84	1	10
190	6	MED	Other Digestive System Diagnoses Age 0-17	0.9275	3.64	1	15
191	7	SURG	Pancreas, Liver & Shunt Procedures W Cc	5.6808	16.07	1	47
192	7	SURG	Pancreas, Liver & Shunt Procedures W/O Cc	2.1858	6.54	1	15
193	7	SURG	Biliary Tract Proc Except Only Cholecyst W Or W/O C.D.E.	3.6518	11.21	3	42
194	7	SURG	W Cc Biliary Tract Proc Except Only Cholecyst W Or W/O C.D.E. W/O Cc	2.1837	6.07	1	14
195	7	SURG	Cholecystectomy W C.D.E. W Cc	2.5741	7.21	2	16
196	7	SURG	Cholecystectomy W C.D.E. W/O Cc	1.8745	4.98	1	10
197	7	SURG	Cholecystectomy Except By Laparoscope W/O C.D.E. W	2.3501	7.02	2	21
198	7	SURG	Cholecystectomy Except By Laparoscope W/O C.D.E. W/O Cc	1.4051	3.60	1	8
199	7	SURG	Hepatobiliary Diagnostic Procedure For Malignancy	5.3129	17.14	1	42
200	7	SURG	Hepatobiliary Diagnostic Procedure For Non-Malignancy	3.5036	10.26	1	43
201	7	SURG	Other Hepatobiliary Or Pancreas O.R. Procedures	4.8797	15.08	2	47
202	7	MED	Cirrhosis & Alcoholic Hepatitis	1.8026	6.70	1	24
203	7	MED	Malignancy Of Hepatobiliary System Or Pancreas	1.8326	7.76	1	27
204	7	MED	Disorders Of Pancreas Except Malignancy	1.1867	5.59	1	17
205	7	MED	Disorders Of Liver Except Malig, Cirr, Alc Hepa W Cc	1.5002	5.65	1	21
206	7	MED	Disorders Of Liver Except Malig, Cirr, Alc Hepa W/O Cc	0.6657	3.32	1	9

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
	-						
207	7	MED	Disorders Of The Biliary Tract W Cc	1.1093	4.42	1	14
208	7	MED	Disorders Of The Biliary Tract W/O Cc	0.6412	2.49	1	8
209	8	SURG	Major Joint & Limb Reattachment Procedures Of Lower	2.8584	5.18	2	12
210	8	SURG	Extremity Hip & Femur Procedures Except Major Joint Age >17 W Cc	2.7205	8.54	2	29
211	8	SURG	Hip & Femur Procedures Except Major Joint Age >17 W/O	1.7401	3.95	1	10
212	8	SURG	Cc Hip & Femur Procedures Except Major Joint Age 0-17	1.3634	3.92	1	21
213	8	SURG	Amputation For Musculoskeletal System & Conn Tissue Disorders	2.2255	8.84	1	33
214	8	SURG	No Longer Valid				
215	8	SURG	No Longer Valid				
216	8	SURG	Biopsies Of Musculoskeletal System & Connective Tissue	2.4834	10.57	1	42
217	8	SURG	Wnd Debrid & Skn Grft Except Hand, For Muscskelet & Conn Tiss Dis	3.8961	13.84	1	45
218	8	SURG	Lower Extrem & Humer Proc Except Hip,Foot,Femur Age	1.9875	5.18	1	20
219	8	SURG	>17 W Cc Lower Extrem & Humer Proc Except Hip,Foot,Femur Age	1.3548	2.76	1	9
220	8	SURG	>17 W/O Cc Lower Extrem & Humer Proc Except Hip,Foot,Femur Age 0-17	0.9345	2.01	1	6
221	8	SURG	No Longer Valid				
222	8	SURG	No Longer Valid				
223	8	SURG	Major Shoulder/Elbow Proc, Or Other Upper Extremity Proc W Cc	1.1456	2.82	1	13
224	8	SURG	Shoulder, Elbow Or Forearm Proc, Exc Major Joint Proc, W/O Cc	0.9886	1.79	1	5
225	8	SURG	Foot Procedures	1.0966	2.71	1	14
226	8	SURG	Soft Tissue Procedures W Cc	1.7643	5.73	1	25
227	8	SURG	Soft Tissue Procedures W/O Cc	0.9227	2.11	1	9
228	8	SURG	Major Thumb Or Joint Proc,Or Oth Hand Or Wrist Proc W	1.4073	4.38	1	17
229	8	SURG	Hand Or Wrist Proc, Except Major Joint Proc, W/O Cc	0.7880	2.03	1	10
230	8	SURG	Local Excision & Removal Of Int Fix Devices Of Hip &	1.4610	5.07	1	29
231	8	SURG	Femur Local Excision & Removal Of Int Fix Devices Except Hip & Femur	1.6830	4.71	1	23
232	8	SURG	Arthroscopy	1.1614	5.00	1	20
233	8	SURG	Other Musculoskelet Sys & Conn Tiss O.R. Proc W Cc	3.1993	8.47	1	38
234	8	SURG	Other Musculoskelet Sys & Conn Tiss O.R. Proc W/O Cc	1.8277	3.27	1	10

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
235	8	MED	Fractures Of Femur	1.0813	7.85	1	28
236	8	MED	Fractures Of Hip & Pelvis	1.0408	4.72	1	19
237	8	MED	Sprains, Strains, & Dislocations Of Hip, Pelvis & Thigh	0.8933	3.09	1	8
238	8	MED	Osteomyelitis	1.6677	9.49	1	40
239	8	MED	Pathological Fractures & Musculoskeletal & Conn Tiss Malignancy	1.8270	7.54	1	26
240	8	MED	Connective Tissue Disorders W Cc	1.6870	6.52	1	24
241	8	MED	Connective Tissue Disorders W/O Cc	0.6103	2.81	1	10
242	8	MED	Septic Arthritis	1.1281	5.26	1	21
243	8	MED	Medical Back Problems	0.7520	3.68	1	12
244	8	MED	Bone Diseases & Specific Arthropathies W Cc	1.2552	5.34	1	17
245	8	MED	Bone Diseases & Specific Arthropathies W/O Cc	0.5832	3.00	1	7
246	8	MED	Non-Specific Arthropathies	1.0272	5.14	1	20
247	8	MED	Signs & Symptoms Of Musculoskeletal System & Conn	0.6251	2.67	1	8
248	8	MED	Tissue Tendonitis, Myositis & Bursitis	1.0092	4.35	1	19
249	8	MED	Aftercare, Musculoskeletal System & Connective Tissue	1.1357	4.96	1	33
250	8	MED	Fx, Sprn, Strn & Disl Of Forearm, Hand, Foot Age >17 W	0.6290	2.50	1	13
251	8	MED	Cc Fx, Sprn, Strn & Disl Of Forearm, Hand, Foot Age >17	0.4464	1.94	1	15
252	8	MED	W/O Cc Fx, Sprn, Strn & Disl Of Forearm, Hand, Foot Age 0-17	0.3953	1.45	1	4
253	8	MED	Fx, Sprn, Strn & Disl Of Uparm,Lowleg Ex Foot Age >17 W	0.9299	4.26	1	12
254	8	MED	Cc Fx, Sprn, Strn & Disl Of Uparm,Lowleg Ex Foot Age >17	0.5460	2.12	1	11
255	8	MED	W/O Cc Fx, Sprn, Strn & Disl Of Uparm,Lowleg Ex Foot Age 0-17	0.4434	1.76	1	5
256	8	MED	Other Musculoskeletal System & Connective Tissue	0.9371	4.39	1	28
257	9	SURG	Diagnoses Total Mastectomy For Malignancy W Cc	1.2122	2.94	1	10
258	9	SURG	Total Mastectomy For Malignancy W/O Cc	1.0239	2.12	1	5
259	9	SURG	Subtotal Mastectomy For Malignancy W Cc	1.3711	4.80	1	25
260	9	SURG	Subtotal Mastectomy For Malignancy W/O Cc	0.8835	1.66	1	7
261	9	SURG	Breast Proc For Non-Malignancy Except Biopsy & Local	1.2862	3.06	1	11
262	9	SURG	Excision Breast Biopsy & Local Excision For Non-Malignancy	0.8271	3.11	1	9
263	9	SURG	Skin Graft &/Or Debrid For Skn Ulcer Or Cellulitis W Cc	2.8600	14.23	2	45

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
264	9	SURG	Skin Graft &/Or Debrid For Skn Ulcer Or Cellulitis W/O Cc	1.4354	7.42	1	29
265	9	SURG	Skin Graft &/Or Debrid Except For Skin Ulcer Or Cellulitis W Cc	2.7935	8.33	1	40
266	9	SURG	Skin Graft &/Or Debrid Except For Skin Ulcer Or Cellulitis W/O Cc	1.2561	3.63	1	19
267	9	SURG	Perianal & Pilonidal Procedures	0.8470	2.85	1	15
268	9	SURG	Skin, Subcutaneous Tissue & Breast Plastic Procedures	1.5540	4.50	1	24
269	9	SURG	Other Skin, Subcut Tiss & Breast Proc W Cc	1.7891	7.26	1	29
270	9	SURG	Other Skin, Subcut Tiss & Breast Proc W/O Cc	0.8730	3.15	1	11
271	9	MED	Skin Ulcers	1.2608	7.55	1	25
272	9	MED	Major Skin Disorders W Cc	1.2203	6.71	1	24
273	9	MED	Major Skin Disorders W/O Cc	0.5741	4.43	1	11
274	9	MED	Malignant Breast Disorders W Cc	1.5787	6.53	1	37
275	9	MED	Malignant Breast Disorders W/O Cc	1.1892	4.57	1	9
276	9	MED	Non-Maligant Breast Disorders	0.6437	3.65	1	12
277	9	MED	Cellulitis Age >17 W Cc	0.9514	5.11	1	16
278	9	MED	Cellulitis Age >17 W/O Cc	0.6140	3.61	1	11
279	9	MED	Cellulitis Age 0-17	0.4963	3.04	1	8
280	9	MED	Trauma To The Skin, Subcut Tiss & Breast Age >17 W Cc	0.6235	2.09	1	8
281	9	MED	Trauma To The Skin, Subcut Tiss & Breast Age >17 W/O Cc	0.5146	1.74	1	6
282	9	MED	Trauma To The Skin, Subcut Tiss & Breast Age 0-17	0.5093	1.58	1	4
283	9	MED	Minor Skin Disorders W Cc	0.7158	3.88	1	13
284	9	MED	Minor Skin Disorders W/O Cc	0.4526	3.17	1	12
285	10	SURG	Amputat Of Lower Limb For Endocrine, Nutrit, & Metabol Disorders	3.2324	13.57	2	44
286	10	SURG	Adrenal & Pituitary Procedures	2.5105	6.64	3	20
287	10	SURG	Skin Grafts & Wound Debrid For Endoc, Nutrit & Metab Disorders	2.1937	9.74	1	40
288	10	SURG	O.R. Procedures For Obesity	2.4153	7.38	1	32
289	10	SURG	Parathyroid Procedures	1.0834	2.65	1	13
290	10	SURG	Thyroid Procedures	0.9184	1.77	1	5
291	10	SURG	Thyroglossal Procedures	0.5378	1.40	1	3
292	10	SURG	Other Endocrine, Nutrit & Metab O.R. Proc W Cc	4.1313	14.16	1	45

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
293	10	SURG	Other Endocrine, Nutrit & Metab O.R. Proc W/O Cc	2.0138	7.78	1	17
294	10	MED	Diabetes Age >35	1.0150	4.32	1	14
295	10	MED	Diabetes Age 0-35	0.6892	2.87	1	8
296	10	MED	Nutritional & Misc Metabolic Disorders Age >17 W Cc	1.0913	4.88	1	18
297	10	MED	Nutritional & Misc Metabolic Disorders Age >17 W/O Cc	0.6690	3.16	1	11
298	10	MED	Nutritional & Misc Metabolic Disorders Age 0-17	0.5259	3.08	1	12
299	10	MED	Inborn Errors Of Metabolism	1.1719	5.20	1	24
300	10	MED	Endocrine Disorders W Cc	1.2682	5.41	1	23
301	10	MED	Endocrine Disorders W/O Cc	0.5785	2.77	1	9
302	11	SURG	Kidney Transplant	9.2146	11.86	1	42
303	11	SURG	Kidney, Ureter & Major Bladder Procedures For Neoplasm	2.8956	7.94	3	19
304	11	SURG	Kidney, Ureter & Major Bladder Proc For Non-Neopl W Cc	2.5533	7.78	1	28
305	11	SURG	Kidney, Ureter & Major Bladder Proc For Non-Neopl W/O	1.1548	3.00	1	7
306	11	SURG	Cc Prostatectomy W Cc	1.0470	4.88	1	17
307	11	SURG	Prostatectomy W/O Cc	0.8488	1.83	1	5
308	11	SURG	Minor Bladder Procedures W Cc	2.4822	8.13	1	39
309	11	SURG	Minor Bladder Procedures W/O Cc	1.3837	4.69	1	19
310	11	SURG	Transurethral Procedures W Cc	1.4973	4.58	1	18
311	11	SURG	Transurethral Procedures W/O Cc	0.8525	2.12	1	5
312	11	SURG	Urethral Procedures, Age >17 W Cc	2.1059	7.26	1	21
313	11	SURG	Urethral Procedures, Age >17 W/O Cc	0.5761	1.00	1	5
314	11	SURG	Urethral Procedures, Age 0-17	1.1670	3.89	1	10
315	11	SURG	Other Kidney & Urinary Tract O.R. Procedures	2.9448	10.04	1	34
316	11	MED	Renal Failure	1.6178	6.11	1	20
317	11	MED	Admit For Renal Dialysis	0.9549	3.22	1	10
318	11	MED	Kidney & Urinary Tract Neoplasms W Cc	1.7412	7.03	1	25
319	11	MED	Kidney & Urinary Tract Neoplasms W/O Cc	0.5978	2.50	1	6
320	11	MED	Kidney & Urinary Tract Infections Age >17 W Cc	0.9678	4.71	1	14
321	11	MED	Kidney & Urinary Tract Infections Age >17 W/O Cc	0.5857	2.93	1	6
322	11	MED	Kidney & Urinary Tract Infections Age 0-17	0.5662	3.20	1	8

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
323	11	MED	Urinary Stones W Cc, &/Or Esw Lithotripsy	0.7828	2.74	1	9
324	11	MED	Urinary Stones W/O Cc	0.4937	1.81	1	5
325	11	MED	Kidney & Urinary Tract Signs & Symptoms Age >17 W Cc	0.8696	4.05	1	17
326	11	MED	Kidney & Urinary Tract Signs & Symptoms Age >17 W/O Cc	0.6227	2.56	1	9
327	11	MED	Kidney & Urinary Tract Signs & Symptoms Age 0-17	0.4599	2.42	1	6
328	. 11	MED	Urethral Stricture Age >17 W Cc	0.7579	2.86	1	8
329	11	MED	Urethral Stricture Age >17 W/O Cc	0.3919	2.00	1	4
330	11	MED	Urethral Stricture Age 0-17	0.7780	5.00	1	5
331	11	MED	Other Kidney & Urinary Tract Diagnoses Age >17 W Cc	1.3122	5.73	1	17
332	11	MED	Other Kidney & Urinary Tract Diagnoses Age >17 W/O Cc	0.7803	3.58	1	13
333	11	MED	Other Kidney & Urinary Tract Diagnoses Age 0-17	0.8785	3.95	1	14
334	12	SURG	Major Male Pelvic Procedures W Cc	1.9316	4.54	2	11
335	12	SURG	Major Male Pelvic Procedures W/O Cc	1.5064	3.56	1	5
336	12	SURG	Transurethral Prostatectomy W Cc	0.8961	3.12	1	14
337	12	SURG	Transurethral Prostatectomy W/O Cc	0.6889	2.07	1	6
338	12	SURG	Testes Procedures, For Malignancy	3.2241	10.72	1	41
339	12	SURG	Testes Procedures, Non-Malignancy Age >17	1.4212	4.65	1	29
340	12	SURG	Testes Procedures, Non-Malignancy Age 0-17	0.7260	1.52	1	5
341	12	SURG	Penis Procedures	1.3211	2.87	1	14
342	12	SURG	Circumcision Age >17	0.7005	4.00	1	6
343	12	SURG	Circumcision Age 0-17	0.5728	2.00	1	3
344	12	SURG	Other Male Reproductive System O.R. Procedures For	1.3129	4.00	1	6
345	12	SURG	Malignancy Other Male Reproductive System O.R. Proc Except For Malignancy	0.7555	2.33	1	8
346	12	MED	Malignancy, Male Reproductive System, W Cc	2.3014	8.00	1	26
347	12	MED	Malignancy, Male Reproductive System, W/O Cc	0.9828	2.00	1	6
348	12	MED	Benign Prostatic Hypertrophy W Cc	0.9009	4.36	1	12
349	12	MED	Benign Prostatic Hypertrophy W/O Cc	0.8463	2.00	1	5
350	12	MED	Inflammation Of The Male Reproductive System	0.7800	3.89	1	9
351	12	MED	Sterilization, Male	0.3333	1.90	1	5
352	12	MED	Other Male Reproductive System Diagnoses	0.6084	2.59	1	12

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
353	13	SURG	Pelvic Evisceration, Radical Hysterectomy & Radical Vulvectomy	2.3262	7.19	1	23
354	13	SURG	Uterine, Adnexa Proc For Non-Ovarian/Adnexal Malig W	1.9867	5.79	1	27
355	13	SURG	Uterine, Adnexa Proc For Non-Ovarian/Adnexal Malig W/O	1.0040	2.51	1	6
356	13	SURG	Cc Female Reproductive System Reconstructive Procedures	0.9419	2.35	1	4
357	13	SURG	Uterine & Adnexa Proc For Ovarian Or Adnexal	2.6908	7.82	2	31
358	13	SURG	Malignancy Uterine & Adnexa Proc For Non-Malignancy W Cc	1.3746	3.96	1	11
359	13	SURG	Uterine & Adnexa Proc For Non-Malignancy W/O Cc	0.9975	2.56	1	5
360	13	SURG	Vagina, Cervix & Vulva Procedures	1.2438	4.11	1	16
361	13	SURG	Laparoscopy & Incisional Tubal Interruption	1.1325	2.93	1	8
362	13	SURG	Endoscopic Tubal Interruption	0.8617	2.75	1	5
363	13	SURG	D&C, Conization & Radio-Implant, For Malignancy	1.0504	3.10	1	14
364	13	SURG	D&C, Conization Except For Malignancy	0.8461	2.48	1	10
365	13	SURG	Other Female Reproductive System O.R. Procedures	1.4738	4.19	1	14
366	13	MED	Malignancy, Female Reproductive System W Cc	1.6458	6.14	1	19
367	13	MED	Malignancy, Female Reproductive System W/O Cc	0.6859	3.57	1	15
368	13	MED	Infections, Female Reproductive System	0.6162	2.94	1	8
369	13	MED	Menstrual & Other Female Reproductive System Disorders	0.4678	2.03	1	6
370	14	SURG	Cesarean Section W Cc	1.0952	4.30	2	14
371	14	SURG	Cesarean Section W/O Cc	0.8443	3.11	2	6
372	14	MED	Vaginal Delivery W Complicating Diagnoses	0.6003	2.35	1	7
373	14	MED	Vaginal Delivery W/O Complicating Diagnoses	0.4561	1.71	1	3
374	14	SURG	Vaginal Delivery W Sterilization &/Or D&C	0.7527	2.01	1	4
375	14	SURG	Vaginal Delivery W O.R. Proc Except Steril &/Or D&C	1.4386	3.86	1	26
376	14	MED	Postpartum & Post Abortion Diagnoses W/O O.R. Procedure	0.4990	2.44	1	7
377	14	SURG	Postpartum & Post Abortion Diagnoses W O.R. Procedure	1.3260	3.81	1	15
378	14	MED	Ectopic Pregnancy	0.9824	2.33	1	5
379	14	MED	Threatened Abortion	0.4937	3.02	1	12
380	14	MED	Abortion W/O D&C	0.4680	1.56	1	4
381	14	SURG	Abortion W D&C, Aspiration Curettage Or Hysterotomy	0.7428	1.78	1	6

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
382	14	MED	False Labor	0.4435	2.56	1	15
383	14	MED	Other Antepartum Diagnoses W Medical Complications	0.5202	2.93	1	9
384	14	MED	Other Antepartum Diagnoses W/O Medical Complications	0.5343	2.91	1	12
385	15	MED	Neonates, Died Or Transferred To Another Acute Care Facility	0.3236	1.33	1	4
385.1	15	MED	Neonates, Died Or Transferred To Another Acute Care	3.9769	10.61	1	42
386	15	MED	Facility Extreme Immaturity Or Respiratory Distress Syndrome, Neonate	3.4665	14.54	1	40
386.1	15	MED	Extreme Immaturity Or Respiratory Distress Syndrome, Neonate	11.2262	42.28	5	76
387	15	MED	Prematurity W Major Problems	1.2974	9.30	1	28
387.1	15	MED	Prematurity W Major Problems	3.6165	18.58	2	48
388	15	MED	Prematurity W/O Major Problems	0.3572	3.66	1	15
388.1	15	MED	Prematurity W/O Major Problems	1.6386	9.71	1	22
389	15	MED	Full Term Neonate W Major Problems	0.4418	3.35	1	10
389.1	15	MED	Full Term Neonate W Major Problems	1.9301	7.47	1	23
390	15	MED	Neonate W Other Significant Problems	0.2187	2.31	1	5
390.1	15	MED	Neonate W Other Significant Problems	0.8747	4.35	1	9
391	15	MED	Normal Newborn	0.1288	1.71	1	3
392	16	SURG	Splenectomy Age >17	2.7668	6.94	2	23
393	16	SURG	Splenectomy Age 0-17	1.4636	3.78	1	10
394	16	SURG	Other O.R. Procedures Of The Blood And Blood Forming	1.9364	6.71	1	32
395	16	MED	Organs Red Blood Cell Disorders Age >17	1.1324	6.77	1	21
396	16	MED	Red Blood Cell Disorders Age 0-17	0.6215	3.68	1	10
397	16	MED	Coagulation Disorders	1.4914	4.08	1	15
398	16	MED	Reticuloendothelial & Immunity Disorders W Cc	1.4212	5.50	1	19
399	16	MED	Reticuloendothelial & Immunity Disorders W/O Cc	0.6706	3.42	1	8
400	17	SURG	Lymphoma & Leukemia W Major O.R. Procedure	3.8253	11.37	1	42
401	17	SURG	Lymphoma & Non-Acute Leukemia W Other O.R. Proc W	3.9686	12.99	1	43
402	17	SURG	Cc Lymphoma & Non-Acute Leukemia W Other O.R. Proc W/O Cc	1.4705	5.56	1	19
403	17	MED	Lymphoma & Non-Acute Leukemia W Cc	2.8803	10.47	1	40
404	17	MED	Lymphoma & Non-Acute Leukemia W/O Cc	1.2448	4.45	1	15

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
405	17	MED	Acute Leukemia W/O Major O.R. Procedure Age 0-17	2.8335	8.75	1	38
406	17	SURG	Myeloprolif Disord Or Poorly Diff Neopl W Maj O.R.Proc W Cc	4.0098	11.93	3	31
407	17	SURG	Myeloprolif Disord Or Poorly Diff Neopl W Maj O.R.Proc W/O Cc	1.3944	3.23	1	8
408	17	SURG	Myeloprolif Disord Or Poorly Diff Neopl W Other O.R.Proc	2.4914	7.64	1	25
409	17	MED	Radiotherapy	1.4197	5.18	1	24
410	17	MED	Chemotherapy W/O Acute Leukemia As Secondary	0.9158	2.98	1	8
411	17	MED	Diagnosis History Of Malignancy W/O Endoscopy	0.7692	1.00	1	7
412	17	MED	History Of Malignancy W Endoscopy	1.2061	6.00	1	7
413	17	MED	Other Myeloprolif Dis Or Poorly Diff Neopl Diag W Cc	1.6789	6.63	1	34
414	17	MED	Other Myeloprolif Dis Or Poorly Diff Neopl Diag W/O C	1.0445	4.27	1	12
415	18	SURG	O.R. Procedure For Infectious & Parasitic Diseases	4.3867	16.15	2	47
416	18	MED	Septicemia Age >17	2.3266	8.69	1	30
417	18	MED	Septicemia Age 0-17	1.1259	5.05	1	17
418	18	MED	Postoperative & Post-Traumatic Infections	0.9923	5.08	1	16
419	18	MED	Fever Of Unknown Origin Age >17 W Cc	0.9585	4.12	1	13
420	18	MED	Fever Of Unknown Origin Age >17 W/O Cc	0.6162	3.10	1	13
421	18	MED	Viral Illness Age >17	0.6806	2.98	1	11
422	18	MED	Viral Illness & Fever Of Unknown Origin Age 0-17	0.4261	2.41	1	5
423	18	MED	Other Infectious & Parasitic Diseases Diagnoses	1.8693	7.57	1	34
424	19	SURG	O.R. Procedure W Principal Diagnoses Of Mental Illness	2.8214	11.60	1	27
425	19	MED	Acute Adjustment Reaction & Psychosocial Dysfunction	0.7131	2.92	1	11
426	19	MED	Depressive Neuroses	0.4770	2.06	1	7
427	19	MED	Neuroses Except Depressive	0.6976	3.89	1	10
428	19	MED	Disorders Of Personality & Impulse Control	0.9321	4.76	1	17
429	19	MED	Organic Disturbances & Mental Retardation	1.4960	9.23	1	40
430	19	MED	Psychoses	0.7825	4.48	1	15
431	19	MED	Childhood Mental Disorders	0.4049	2.47	1	12
432	19	MED	Other Mental Disorder Diagnoses	1.0656	5.54	1	31
433	20	MED	Alcohol/Drug Abuse Or Dependence, Left Ama	0.3878	1.76	1	6
434	20	MED	No Longer Valid				

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DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
435	20	MED	No Longer Valid				
436	20	MED	No Longer Valid				
437	20	MED	No Longer Valid				
438	20		No Longer Valid				
439	21	SURG	Skin Grafts For Injuries	2.3853	9.98	1	40
440	21	SURG	Wound Debridements For Injuries	2.6744	9.87	1	40
441	21	SURG	Hand Procedures For Injuries	0.9799	2.87	1	11
442	21	SURG	Other O.R. Procedures For Injuries W Cc	2.9492	8.52	1	32
443	21	SURG	Other O.R. Procedures For Injuries W/O Cc	1.1557	3.24	1	12
444	21	MED	Traumatic Injury Age >17 W Cc	0.8242	3.37	1	14
445	21	MED	Traumatic Injury Age >17 W/O Cc	0.5187	1.82	1	6
446	21	MED	Traumatic Injury Age 0-17	0.5306	2.01	1	7
447	21	MED	Allergic Reactions Age >17	0.5896	2.38	1	9
448	21	MED	Allergic Reactions Age 0-17	0.3726	1.57	1	5
449	21	MED	Poisoning & Toxic Effects Of Drugs Age >17 W Cc	0.9443	2.75	1	11
450	21	MED	Poisoning & Toxic Effects Of Drugs Age >17 W/O Cc	0.4775	1.54	1	4
451	21	MED	Poisoning & Toxic Effects Of Drugs Age 0-17	0.4742	1.93	1	6
452	21	MED	Complications Of Treatment W Cc	0.9883	4.37	1	18
453	21	MED	Complications Of Treatment W/O Cc	0.6584	3.00	1	8
454	21	MED	Other Injury, Poisoning & Toxic Effect Diag W Cc	1.4470	4.74	1	20
455	21	MED	Other Injury, Poisoning & Toxic Effect Diag W/O Cc	0.4858	2.37	1	7
456	22		No Longer Valid				
457	22	MED	No Longer Valid				
458	22	SURG	No Longer Valid				
459	22	SURG	No Longer Valid				
460	22	MED	No Longer Valid				
461	23	SURG	O.R. Proc W Diagnoses Of Other Contact W Health	1.5154	5.36	1	39
462	23	MED	Services Rehabilitation	2.8509	15.44	3	49
463	23	MED	Signs & Symptoms W Cc	0.8598	3.94	1	17
464	23	MED	Signs & Symptoms W/O Cc	0.5247	2.54	1	7

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold	
465	23	MED	Aftercare W History Of Malignancy As Secondary Diagnosis	0.9933	1.00	1	7	
466	23	MED	Aftercare W/O History Of Malignancy As Secondary	2.6004	9.44	1	42	
467	23	MED	Diagnosis Other Factors Influencing Health Status	0.4423	2.16	1	7	
468			Extensive O.R. Procedure Unrelated To Principal	Paid	Percenta	ge of Char	ge	
469			Diagnosis Principal Diagnosis Invalid As Discharge Diagnosis					
470			Ungroupable					
471	8	SURG	Bilateral Or Multiple Major Joint Procs Of Lower Extremity	4.2747	6.38	1	18	
472	22	SURG	No Longer Valid					
473	17	SURG	Acute Leukemia W/O Major O.R. Procedure Age >17	6.7352	19.66	1	50	
474	4	SURG	No Longer Valid					
475	4	MED	Respiratory System Diagnosis With Ventilator Support	4.7449	12.00	1	44	
476		SURG	Prostatic O.R. Procedure Unrelated To Principal Diagnosis	4.5247	18.50	1	25	
477		SURG	Non-Extensive O.R. Procedure Unrelated To Principal Diagnosis	2.3211	8.29	1	29	
478	5	SURG	Other Vascular Procedures W Cc	2.9711	7.80	1	26	
479	5	SURG	Other Vascular Procedures W/O Cc	1.8128	3.95	1	14	
480	PRE	SURG	Liver Transplant	Paid	Percentag	ge of Char	ge	
481	PRE	SURG	Bone Marrow Transplant	Paid Percentage of Charge				
482	PRE	SURG	Tracheostomy For Face, Mouth & Neck Diagnoses	4.3931	12.39	2	41	
483	PRE	SURG	Tracheostomy Except For Face, Mouth & Neck Diagnoses	20.2741	42.54	6	78	
484	24	SURG	Craniotomy For Multiple Significant Trauma	7.0265	12.87	1	43	
485	24	SURG	Limb Reattachment, Hip And Femur Proc For Multiple	5.5101	11.47	2	34	
486	24	SURG	Significant Tra Other O.R. Procedures For Multiple Significant Trauma	5.1645	11.35	1	40	
487	24	MED	Other Multiple Significant Trauma	2.1928	5.61	1	21	
488	25	SURG	Hiv W Extensive O.R. Procedure	5.9653	20.24	3	50	
489	25	MED	Hiv W Major Related Condition	2.1540	8.82	1	30	
490	25	MED	Hiv W Or W/O Other Related Condition	1.3435	5.63	1	18	
491	8	SURG	Major Joint & Limb Reattachment Procedures Of Upper	1.9699	3.98	1	33	
492	17	MED	Extremity Chemotherapy W Acute Leukemia As Secondary	1.2471	4.40	1	24	
493	7	SURG	Diagnosis Laparoscopic Cholecystectomy W/O C.D.E. W Cc	1.6839	4.18	1	13	

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold		
494	7	SURG	Laparoscopic Cholecystectomy W/O C.D.E. W/O Cc	1.1507	2.08	1	5		
495	PRE	SURG	Lung Transplant	Paid Percentage of Charge					
496	8	SURG	Combined Anterior/Posterior Spinal Fusion	7.0473	12.74	3	43		
497	8	SURG	Spinal Fusion Except Cervical W Cc	3.7855	7.11	3	19		
498	8	SURG	Spinal Fusion Except Cervical W/O Cc	2.7007	4.14	1	8		
499	8	SURG	Back & Neck Procedures Except Spinal Fusion W Cc	1.8462	4.79	1	22		
500	8	SURG	Back & Neck Procedures Except Spinal Fusion W/O Cc	0.9456	1.97	1	7		
501	8	SURG	Knee Procedures W Pdx Of Infection W Cc	2.7355	14.24	1	43		
502	8	SURG	Knee Procedures W Pdx Of Infection W/O Cc	1.5050	5.50	1	11		
503	8	SURG	Knee Procedures W/O Pdx Of Infection	1.4526	2.50	1	10		
504	22	SURG	Extensive 3Rd Degree Burns W Skin Graft	16.6005	28.19	1	64		
505	22	MED	Extensive 3Rd Degree Burns W/O Skin Graft	2.8026	5.52	1	40		
506	22	SURG	Full Thickness Burn W Skin Graft Or Inhal Inj W Cc Or Sig	6.3409	17.73	1	46		
507	22	SURG	Trauma Full Thickness Burn W Skin Grft Or Inhal Inj W/O Cc Or Sig Trauma	2.6360	9.72	1	26		
508	22	MED	Full Thickness Burn W/O Skin Grft Or Inhal Inj W Cc Or	2.7997	9.37	1	38		
509	22	MED	Sig Trauma Full Thickness Burn W/O Skin Grft Or Inh Inj W/O Cc Or	0.6601	2.66	1	10		
510	22	MED	Sig Trauma Non-Extensive Burns W Cc Or Significant Trauma	2.2730	8.25	1	38		
511	22	MED	Non-Extensive Burns W/O Cc Or Significant Trauma	0.7357	3.04	1	11		
512	PRE	SURG	Simultaneous Pancreas/Kidney Transplant	Paid Percentage of Charge					
513	PRE	SURG	Pancreas Transplant	Paid Percentage of Charge					
514	5	SURG	Cardiac Defibrillator Implant W Cardiac Cath	8.0591	9.83	1	33		
515	5	SURG	Cardiac Defibrillator Implant W/O Cardiac Cath	6.4551	7.86	1	40		
516	5	SURG	Percutaneous Cardiovasc Proc W Ami	2.8742	4.18	1	13		
517	5	SURG	Perc Cardio Proc W Coronary Artery Stent W/O Ami	2.3180	2.54	1	9		
518	5	SURG	Perc Cardio Proc W/O Coronary Artery Stent Or Ami	1.8853	2.95	1	11		
519	8	SURG	Cervical Spinal Fusion W Cc	2.3665	5.25	1	23		
520	8	SURG	Cervical Spinal Fusion W/O Cc	1.4357	2.25	1	7		
521	20	MED	Alcohol/Drug Abuse Or Dependence W Cc	0.8904	4.13	1	14		
522	20	MED	No Longer Valid						

DRG Grouper 19.0, effective for admissions on and after April 1, 2002.

DRG	MDC	Med/ Surg		Relative Weight	Average LOS	Low Day Threshold	High Day Threshold
523	20	MED	Alc/Drug Abuse Or Depend W/O Rehabilitation Therapy W/O Cc	0.4582	2.30	1	7